

ABSTRACT

The invention relates to a process for preparing 1,1,1-trifluoro-2,2-dichloroethane (F123).

This process consists in placing 1,1,1-trifluoro-
5 2-chloroethane (F133a) in contact with chlorine in the presence of hydrogen fluoride and a fluorination catalyst.

F133a may be obtained by fluorination of trichloroethylene, and the F123 may be subsequently fluorinated to F125.